

All fabricated and structural iron and steel parts of the lift equipment, but excluding specially finished surfaces, shall be cleaned, wire brushed where necessary, descaled, properly prepared and primed with a zinc-phosphate primer and finished with good quality lead free enamel semi-gloss paint prior to delivery.

All iron and steel rotating parts of the lift equipment, counterweights etc, shall be painted yellow to BS 10E53 in accordance with BS 7255.

Over the whole width of the top edge of the car toe guard the Contractor shall paint alternate 75mm black / yellow stripes at an angle of 45° to the horizontal and to a depth of 150mm.

To the whole 'refuge' areas on the car top and in the lift pit the Contractor shall paint alternate 75mm black / yellow stripes at an angle of 45° to the landing sill.

To all lifting beams and support steels the Contractor shall paint alternate 75mm black / yellow stripes at an angle of 45° to the horizontal.

All fixed guards shall be painted safety orange.

The shaft side of the car and landing doors plus the fascias shall be cellulosed matt black prior to delivery.

Preparation for on site cellulosing maybe undertaken in normal operational hours but all spraying shall be undertaken at nights or weekends.

No on site painting or cellulosing shall be undertaken without 72 hours prior written agreement from the SO.

### **2A.75 Tests on Completion and Handing Over**

After installation of each lift has been completed, the Sub Contractor shall, in the presence of the SO carry out the tests and examinations set out in BS5655 Pt 10, together with any further dynamic or other tests required by the SO to ensure that the installation complies with the specification.

**The SO shall not attend site to undertake any witness or commissioning tests until receipt of the Contractors test document and items list, with all items clearly identified as being complete and signed off as witnessed by the Contractors supervisor or project manager.**

The SO shall allocate one and a half working days for witness and commissioning tests for the lift. Any additional visits shall be charged as a set off against the contract and the defects liability period shall not be deemed to have commenced until all outstanding works have been completed to the SO's approval, notwithstanding the penultimate paragraph of Clause 2.09.

The Contractor shall provide all test weights, thermometers, test equipment, light meters and special instruments, all with current calibration certificates, and personnel required for this purpose and shall provide the appropriate Certificate of Test and Examination duly completed together with any other necessary Certificates that have requested previously.

In addition to the testing requirements of BS5655 Pt 10 the Contractor shall include for the following supplementary tests:-

1. Load tests by carrying the contract load throughout the travel and at the contract speed for continuous series of consecutive trips aggregating to a period of 30 minutes on mains supply,

During these tests, the motor and controller shall be checked for excessive temperature rise. Checks shall also be made to ensure that the contract speed is maintained and that the levelling limits are not exceeded under no-load conditions and under selected conditions of load.

2. Setting of the main circuit breaker trips in relation to the stalling current and overload.
3. Static balance on car and counterweight to adjust roller guides.
4. Tests to record compliant closing forces on doors.
5. System and motor current readings under full load, balanced load and empty car conditions.

The testing of the lift which shall be designated as the second lift prior to the refurbishment of the first lift shall specifically incorporate the works as detailed below in addition to the testing procedures described above:

6. Setting up and checking of all lock clearances, upthrust rollers and door closer operations.
7. Security of all bottom door shoes and thrust plates.

### **2A.76 Maintenance and Remedy of Defects**

The Contractor shall assume responsibility for maintaining all lifts in accordance with this clause from the date of site possession.

The Contractor shall warrant and maintain the lifts from handover throughout the defects liability period which shall extend from site possession of the first lift, to twelve calendar months from the date of issue of the relevant Acceptance Certificate by the Contractor on Practical Completion of the final lift.